

# Receiving Report

Date: 12/11/16

Batch No: M123721

Supplier: McNAMP COOLIE

Dart P/O: 18350

Packing Slip: Yes ☒ No ☒  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☒ No ☐ N/A ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC6 Inspection: 14 12/11/16 N/A ☒  
 Work Order: 14 12/11/16 N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M6061TB	RO.750	36	0	0	36	
D6101-005P		20	0	0	20	

Initials of receiver (if shipment OK) Level 12

Production/Admin: 12/11/16  
 Date: 12/11/16  
 Received/Costing: 12/11/16  
 Initial: 12/11/16

Location \_\_\_\_\_

# Purchase Order Receipt Listing

Friday, November 16, 2012 10:41:55 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO18350 Receipt Dates from 11/16/2012 to 11/16/2012 All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-MET001 Metaux Castle											
PO18350	2		M304RO.750	f	11/15/2012	11/16/2012	60.0000	\$4.42	0.0000	0	\$265.47
CAD	No		304 SS Roundbar .750	f	60.0000	DESJ02		\$265.47	0.0000	0	
			123721								
	3		M303R0.500	f	11/15/2012	11/16/2012	48.0000	\$2.09	0.0000	0	\$100.42
	No		303 Round Bar 0.500"	f	48.0000	DESJ02		\$100.42	0.0000	0	
			123721								
	4		M304B0.500X2.500	f	11/15/2012	11/16/2012	26.0000	\$15.61	0.0000	0	\$405.75
	No		304 BAR .500 x 2.50	f	24.0000	DESJ02		\$405.75	0.0000	0	
			123721								
	5		M304B0.625X3.000	f	11/15/2012	11/16/2012	12.9167	\$25.88	0.0000	0	\$334.23
	No		304 BAR .625 X 3.00	f	12.0000	DESJ02		\$334.23	0.0000	0	
			123721								

Total Received Quantity: 146.9167  
Total Qty to Inspect (PO U/M): 0.0000  
Total Reject Quantity: 0.0000  
Total Receipt Value: \$1,105.86  
Total Balance Due Quantity: 0.0000



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:1541462

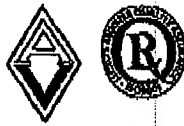
<b>Ship From:</b> A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 14-NOV-2012	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> MANITOULIN	<b>BOL No</b> 1541462-2			

<b>Shipment Details</b>		<b>Final Destination Branch - MON</b>	
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<b>Order No</b> 2527499	<b>Line No</b> 6	<b>Item No</b> 5054	<b>Description</b> 0.6250.3.0000.FLAT.304.STAINLESS.HR.ANN.PICKLE.132.0000-156 .0000 SPECIFICATIONS: ASTM A276			
<b>Purchase Order No</b> 18350	<b>Part Number</b>		<b>Ordered Qty</b> 12.00 FT	<b>Invoice Qty</b> 12.9167 FT		
<b>Details</b>						
<b>Delivery No.</b> 118144025	<b>Mill</b> 10-A.M. CASTLE & CO.	<b>Heat Number</b> 245178	<b>Mech Id</b> 1	<b>PCS</b>	<b>Width (IN)</b>	<b>Shipped Qty(LBS)</b> 82.3438

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:

# Acciaierie Valbruna S.p.A.



36100 VICENZA (Italia) - Viale della scienza, 25 z.l.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / customer/vertragspartner  
VALBRUNA STAINLESS INC.  
2400 TAYLOR STREET WEST  
USA-FORT WAYNE, IN 46801-USA

Produttore: ACCIAIERIE VALBRUNA S.P.A.  
Hersteller/Hersteller produkte

Oggetto Prove: Descalced Annealed Hotrolled  
Prüfunggegenstand: inspected/Patung

Avviso di Spedizione: D-VI07018291  
Lieferanten/Packing Invoice

Ordine nr: 20462 STOCK CAROL S.  
Bestellnummer/Bestellnummer

Tipo di Elaborazione: E-AOD  
Herstellungsverfahren/Herstellungsverfahren

## CERTIFICATO DI COLLAUDO ABNAHMEPRÜFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2005), 3.1

Certificato nr: MEST505393/2007/  
Prüfung/Zertifikat

Conferma ordine nr: E07008378  
Werte/Orderbestätigung

Marchio di Fabbrica:  
Zeichen des Lieferanten  
Trade mark  
Signe du fournisseur

Funzione del Collaudatore:  
Geprüft der Werkstofftechnische  
Inspector's Auftrag/Inspection de l'accepteur



### Specifiche:

Anforderungen / Requirements / Exigences

FIRST METALS 2003 304/304L A  
AMS-QQ-S-763 B 304/304L  
ASME SA320 2004 B8 z  
ASTM A193 2006A B8  
ASTM A314 97 S30400/03  
ASTM A473 2001 S30400/03 z  
NACE MR0175 2003 S30400/03 A z  
(1) SEC.II PT.A 2004 EDITION ADD.2006  
(2) SEC.II PT.A 2004 EDITION ADD.2006  
(3) SEC.II PT.A 2004 EDITION ADD.2006  
(5) Chemical analysis only.

AMS 5659 H S30400  
ASME SA182 2004 S30400/03 z  
ASME SA479 2004 S30400/03 z  
ASTM A262 2002A PRACTICE E  
ASTM A320 2006A B8  
ASTM A479 2006 S30400/03  
QQ-S-763 F 304/304L

Chemical analysis only.  
25 SEC.II PT.A 2004 EDITION ADD.2006  
4 Chemical analysis only.  
8 ISO 15156-3

AMS 5647 H S30403  
ASME SA193 2004 B8 (1)  
ASTM A182 2006 S30400/03 (1)  
ASTM A279 2006 S30400/03  
ASTM A370 2008  
MIL-S-662 B/1 304/304L

Qualità: T-304L  
Werkstoff/Qualitätsklasse

Marca: AISI

Werkstoffherstellung/Hersteller

Funktionstabelle: T-304L  
Kernschicht/Herstellungsverfahren

Pos. nr. Part. nr. Nr. de pièce	Oggetto Prüfunggegenstand Désign. du produit	Dimensioni - in Abmessungen Dimension	Tolleranza Toleranz Tolérance	Lunghezza - Ft Länge Longueur	Colata Schmelze Fond	Pezzi Stückzahl Pièces	Peso - LB Gewicht Poids	Lotto nr. Lose Lot no.
0250	Fiat	3,0000 x 0,6250	484-05A	12 / 13	245178		5,487	707600230

Sono state soddisfatte tutte le condizioni richieste  
Die gestellten Anforderungen sind in Anlage erfüllt  
Tous matériaux ont été soumis à la conformité avec les requêtes  
Le matériel a été soumis à la conformité avec les requêtes

Controllo antisensibilità: OK  
Voraussetzung: spezialanalytisch durchgeführt  
Antikorrosionstest durchgeführt  
Corrosionstest durchgeführt

Controllo visivo e dimensionale: soddisfatte le esigenze  
Sichtprüfung und Abmessung: ohne Beanstandung  
Visual inspection and dimensional check: satisfactory  
Contrôle visuel et dimensionnel: satisfait

TEST	Prova/Prüfung Prüfung Prüfung	°F	Peso Gewicht Poids	Sensibilità Sensibilität Sensibilité	Sensibilità Sensibilität Sensibilité	Resistenza Zugfestigkeit Résistance	Alungamento Zugdehnung Élongation	Strizione Bruchdehnung Régulation	Resistenza Zugfestigkeit Résistance	Durezza Härte Dureté
	Valori richiesti Anforderungen Valeurs requises	min max		30	-	75 115	- 40	- 50	-	140 223
A	12,6	68 L	46	-	75 115	- 40	- 50	-	140 223	177

Grain size for ASTM E112

5

(1) Länge/Dimensionen, Q-Zugversuch, Q-Zugversuch, Q-Zugversuch

### Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Opkate steel Schmelze/Steel	min- max	0,030	1,00	2,00	16,00 20,00	1,00	1,00	8,00 12,00	0,040	0,060 0,080	0,100	-	-	-	-
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %	-	-	-	-
245178	0,024	0,53	1,66	18,17	0,51	0,45	8,20	0,130	0,031	0,027	0,086	-	-	-	-

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1880°F for 1 h/H<sub>2</sub>O.

Micro and macro etch test: OK

Reduction ratio > 4 : 1

Intergranular corrosion test per ASTM A262 pract. E: ok

Material is OFARS Compliant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury or radio-activity contamination  
The Quality Management System is Certified acc. Pressure Equipment Directive (97/23/EC) Annex 1, 4.3 by TÜV and LLOYD'S

CASTLE METALS CORP.  
DATE RCVD 7-23-09  
IAC 5051  
APPROVED BY [Signature]

Vicenza, 13/06/07

WZ012  
9400, MOER

Il collaudatore di stabilimento / der Werkstoffverständiger / Works Inspector / L'expert d'usine

M. Pizzotti [Signature]

Pagina - 1 di 1



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No: 1541462

<b>Ship From:</b> A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUÉBEC H9R 3S2		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 14-NOV-2012	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> MANITOULIN	<b>BOL No</b> 1541462-2			

<b>Shipment Details</b>	<b>Final Destination Branch - MON</b>
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<b>Order No</b> 2527499	<b>Line No</b> 5	<b>Item No</b> 5036	<b>Description</b> 0.5000.2.5000.FLAT.304.STAINLESS.HR.ANN.PICKLE:132.0000-156 .0000 SPECIFICATIONS: ASTM A276				
<b>Purchase Order No</b> 18350	<b>Part Number</b>		<b>Ordered Qty</b> 24.00 FT	<b>Invoice Qty</b> 26.0000 FT			
<b>Details</b>							
<b>Delivery No.</b> 118144045	<b>Mill</b> VALBRUNA CORPORATION	<b>Heat Number</b> 249941	<b>Mech Id</b>	<b>PCS</b> 2	<b>Width (IN)</b>	<b>Length (IN)</b> 156.0000	<b>Shipped Qty(LBS)</b> 110.5000

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:

# Acciaierie Valbruna S.p.A.



36100 VICENZA (Italia) - Viale della scienza, 25 z.l.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Client  
VALBRUNA STAINLESS INC.  
2400 TAYLOR STREET WEST  
46801-FORT WAYNE, IN 46801-USA

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**  
Hersteller/Usine productrice

Oggetto Prove: Descaled Annealed Hotrolled  
Prüfgegenstand/Item inspected/Finissage

Avviso di Spedizione: D-VI10009793  
Lieferanzeiger/Packing list/B.L.

Ordine nr: 26835 STOCK CAROL STR  
Bestell/Your order/Commande

Tipo di Elaborazione: E+AOD  
Erweichungsart/Melting process/Mode d'elaboration

## CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2005) , 3.1

Certificato nr: MEST856090/2010/  
Prüfung/Test/Essai

Conferma ordine nr: EH10002778  
Werkz/Our Order/Ref. nr.

Marchio di Fabbrica:  
Zeichen des Lieferwerkes  
Trade mark  
Sigle de l'usine productrice

Punzone del Collaudatore:  
Stempel des Werksachverständigen  
Inspector's stamp/Poligon de l'assesseur



54284 - 1 5036

Specifiche:  
Anforderungen / Requirements / Exigences

VSI 0 304/304L A  
AMS-QQ-S-763 B 304/304L A  
ASME SA276 2007 S30400/03 A 2  
ASTM A182 2009A S30400/03 A 5  
ASTM A276 2008A S30400/03 A  
ASTM A370 2009A  
MIL-S-862 B/1 304/304L  
(0) SEC.II PT.A 2007 EDITION ADD. 2009b  
(1) SEC.II PT.A 2007 EDITION ADD. 2009b  
(3) SEC.II PT.A 2007 EDITION ADD. 2009b  
(5) Chemical analysis only and mechanical properties.  
(7) \* ISO 15156-3

AMS 5639 H S30400 A  
ASME SA182 2007 S30400/03 A 6  
ASME SA320 2007 B8 CLASS1 3  
ASTM A193 2009 B8 CLASS1  
ASTM A314 2008 S30400/03  
ASTM A473 2001 S30400/03 6  
NACE MR0175\* 2003 S30400/03 A 7

AMS 5647 H S30403 A  
ASME SA193 2007 B8 CLASS1 (1)  
ASME SA479 2009 S30400/03 A (4)  
ASTM A262 2002A PRACTICE E  
ASTM A320 2008 B8 CLASS1  
ASTM A479 2009 S30400/03 A  
QQ-S-763 F 304/304L A

0Chemical analysis only and mechanical properties.  
2SEC.II PT.A 2007 EDITION ADD. 2009b  
4SEC.II PT.A 2007 EDITION ADD. 2009b  
6Chemical analysis only.

Qualità: 304/304L  
Werkstoff/Grade/Nuance

Marca: AISI  
Markenbezeichnung/Brand/Nuance

Punzonatura: 304/304L  
Kennzeichnung/Marking/Marcage

Pos. nr. Pos. nr. Item nr. Nr. de poste	Oggetto Gegenstand Product description Descr. du produit	Dimensioni - in Abmessungen Dimension Dimension	Tolleranza Toleranz Allowance Tolerance	Lunghezza - in Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0020	Flat	2,5000 x 0,5000	484-08	144 / 159	249941		2.683	933800410

Sono state soddisfatte tutte le condizioni richieste  
Die gestellten Anforderungen sind k. Anlage erfüllt  
The material has been furnished in accordance with the requirements  
Le matériel a été trouvé conforme aux exigences

Controllo antimescolanza: OK  
Vermischungsprüfung: specialanalyse durchgeföhrt  
Anmixing testing performed: OK  
Contrôle antimélange fait: r.a.s.

Controllo visivo e dimensionale: soddisfa le esigenze:  
Besichtigung und Abmessung: ohne Beanstandung  
Visual inspection and dimensional checks:satisfactory  
Contrôle visuel et dimension: satisfaisant

TEST ALLO STATO DI FORNITURA											
Test on delivery condition				Prüfung auf lieferbreiten produkt		test a l'etel de fourniture		Prueba sobre el material así como entregado			
TEST	Provetta/Probet Specimen/Epruvette Lag./Lam. Probe Diam. Diam. Dicke Wdh. Diam. Thickness Lag./diam. épais mm	°F	Post. Seggio Probenlage Lagage Emplacement 1)	Snervamento Streckgrenze Yield Stress Limite élastique Rp 0,2% k.s.l.	Snervamento Streckgrenze Yield Stress Limite élastique	Resistenza Zugfestigkeit Tensile strength Résistance à traction Rm k.s.l.	Allungamento Biegeformung Elongation Allongement E 4d %	Strizione Einengung Reduction of area Striction RA %	Resistenza Kerbschlagarbeit Impact Value Résistance	Durezza Härte Hardness Dureté HB	
Valori richiesti / Anforderungen/Required values Valeurs demandées		min max		30	-	75 115	- 40	- 50	-	140 235	
A	12,5	68	L	56		92	54	64		183	

TEST	min	max
A Grain size for ASTM E112		5

Mechanical properties according to ASTM A370.

1) L=longitudinale/länge, T=transversale/quer, Q=Tangenziale/tangentiel

### Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata /Heat Schmelze/Coulée	min - max 0,030	1,00	2,00	18,00 20,00	1,00	1,00	8,00 10,50	-	0,040	0,020 0,030	0,100	-	-	-	-
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %				
249941	0,019	0,48	1,93	18,10	0,49	0,37	8,24	0,140	0,033	0,028	0,082				

Produced without class I-II Ozone depleting substances.  
Solution heat treated free from continuous carbide network.  
Annealing temperature: 1940 °F for 0.5 h/water.  
Micro and macro etch test: OK

Vicenza, 01/04/10

VCO008  
(Mod. MCER)

Il collaudatore di stabilimento / der Werkssachverständige / Works Inspector / L'agent d'usine

M. Rizzotto

Pagina - 1 di 2

# Acciaierie Valbruna S.p.A.



36100 VICENZA (Italia) - Viale della scienza, 25 z.i.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Bestell/Purchase/Client  
VALBRUNA STAINLESS INC.  
2400 TAYLOR STREET WEST  
46801-FORT WAYNE, IN 46801-USA

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**  
Hersteller/Usine productrice

Oggetto Prova: Descaled Annealed Hotrolled  
Prüfgegenstand/Item inspected/Finissage

Intergranular corrosion test per ASTM A262 pract. E: ok.  
Material is DFARS Compliant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination  
We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.  
The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, § 4.3 by TUEV and LLOYD'S

## CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2005) , 3.1

Avviso di Spedizione: D-VI10009793  
Lieferanzettel/Packing list/B.L.

Ordine nr: 26835 STOCK CAROL STR  
Bestell/Your order/Commande

Tipo di Elaborazione: E+AOD  
Erschmelzungs-/Melting process/Mode d'elaboration

Certificato nr: MEST856090/2010/  
Prüfung/Test/Essai

Conferma ordine nr: E110002778  
Werkz./Our Order/Ref. nr.

Marchio di Fabbrica:  
Zeichen des Lieferwerkes  
Trade mark  
Sigle de l'usine productrice

Punzone del Collaudatore:  
Stempel des Werksachverständigen  
Inspector's stamp/Pointon de l'essayeur



DAS  
14  
9-89 *OK 12/1/16*

### Castle Metals FP

HEAT NUMBER 249941  
MECHANICAL ID \_\_\_\_\_  
ITEM CODE 5036  
LOT NUMBER \_\_\_\_\_  
PO NUMBER 54284  
RECEIPT DATE 1/6/11  
SUPPLIER Valbruna  
SPECIFICATION \_\_\_\_\_  
LCS N  
COMMENT \_\_\_\_\_  
APPROVED h

Vicenza, 01/04/10

VCO008  
(Mod. MCER)

Il collaudatore di stabilimento / der Werkssachverständiger / Works inspector / L'agent d'usine

M. Rizzotto *[Signature]*

Pagina - 2 di 2



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:1541462

<b>Ship From:</b> A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 14-NOV-2012	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> MANITOULIN	<b>BOL No</b> 1541462-2			

<b>Shipment Details</b>		<b>Final Destination Branch - MON</b>	
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<b>Order No</b> 2527499	<b>Line No</b> 4	<b>Item No</b> 14154	<b>Description</b> 0.5000.RD.303.STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A582				
<b>Purchase Order No</b> 18350	<b>Part Number</b>		<b>Ordered Qty</b> 48.00 FT	<b>Invoice Qty</b> 48.0000 FT			
<b>Details</b>							
<b>Delivery No.</b> 118139949	<b>Mill</b> NORTH AMERICAN STAINLESS	<b>Heat Number</b> D3J8	<b>Mech Id</b>	<b>PCS</b> 4	<b>Width (IN)</b>	<b>Length (IN)</b> 144.0000	<b>Shipped Qty(LBS)</b> 32.0640

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material out to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:

14  
88  
22/11/12

14/11/12



# METALLURGICAL TEST REPORT

**6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000**

**Certificate: 768423 10 Mail To:**

A.M. CASTLE AND COMPANY  
1420 KENSINGTON ROAD-SUI  
OAK BROOK IL 60451

**Ship To:**

A.M. CASTLE AND COMPANY  
1625 TILLIE LEWIS DRIVE  
STOCKTON CA 95206

Date: 9/10/2012 Page: 1 Of 1

**Steel: 303**

**Finish: Cold Draw**

Dia/Thk; .5000 in

**Leg Length:**

144.00 in

**Corrosion:**

Item Code: 14154

[illegible]

**REMARKS:**

**Round Bar, Annealed, Cold Draw**

ASTM A582/05 EN 10204 3.1, ASTM A484/11

AMS 5640U TYPE 1, QQS-764B CONDITION A

SOLUTION ANNEAL TEMP 1900F MIN

COMPLIES W/REQUIREMENTS OF DPAR 252.225-7014A-1 EU DIRECTIVE 2002.95.EC.ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

[illegible]

# CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Chemical Analysis per ASTM A751/08

[illegible]

## MECHANICAL PROPERTIES

Id oi ci	HB	No.	.2YS KSI	UTS KSI	RA %	Elong % 2"
BE86822	RL	192.0	85.93	108.71	31.64	36.10

14  
 1989  
 12/11/16

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS

**Technical  
Dept. Mgr.:**

ERIC HESS



12/14/16

Castle Metals FP

HEAT NUMBER D3J8  
MECHANICAL ID \_\_\_\_\_  
ITEM CODE 14154  
LOT NUMBER \_\_\_\_\_  
PO NUMBER 183305  
RECEIPT DATE 9-11-12  
SUPPLIER NAS  
SPECIFICATION \_\_\_\_\_  
LCS NO  
COMMENT \_\_\_\_\_  
APPROVED BL



**Castle Metals®**

A. M. Castle & Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:1541462

<b>Ship From:</b> A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 14-NOV-2012	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> MANITOULIN	<b>BOL No</b> 1541462-2			

<b>Shipment Details</b>		<b>Final Destination Branch - MON</b>
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<b>Order No</b> 2527499	<b>Line No</b> 3	<b>Item No</b> 14824	<b>Description</b> 0.7500.RD.304/304L STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A276				
<b>Purchase Order No</b> 18350	<b>Part Number</b>		<b>Ordered Qty</b> 60.00 FT	<b>Invoice Qty</b> 60.0000 FT			
<b>Details</b>							
<b>Delivery No.</b> 118139949	<b>Mill</b> NORTH AMERICAN STAINLESS	<b>Heat Number</b> C5R5	<b>Mech Id</b> 5	<b>PCS</b>	<b>Width (IN)</b>	<b>Length (IN)</b> 144.0000	<b>Shipped Qty(LBS)</b> 90.0000

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.							
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.							
Reviewed by Authorized Castle Metals Representative:				Date: Name:			

12/11/14

Castle Metals FP

HEAT NUMBER C5 P5  
MECHANICAL ID \_\_\_\_\_  
ITEM CODE 14824  
LOT NUMBER \_\_\_\_\_  
PO NUMBER 162470  
RECEIPT DATE 5-16-12  
SUPPLIER NAS  
SPECIFICATION \_\_\_\_\_  
LCS 120  
COMMENT \_\_\_\_\_  
APPROVED dt



NORTH AMERICAN  
STAINLESS

# METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 736684 02 Mail To:

A.M. CASTLE AND COMPANY  
1420 KENSINGTON ROAD-SUITE 220  
OAK BROOK IL 60523

Ship To:

A.M. CASTLE AND COMPANY  
3400 NORTH WOLF ROAD  
FRANKLIN PARK IL 60131

Date: 5/13/2012 Page: 1 Of 1

Steel: 304/304L

Finish: Cold Draw

Dia/Thk: .7500 in

Leg Length:

length: 144.00 in

Corrosion: ASTM A262 Prac A/E OK

Customer: 0032 001

NAS Order: LN 82572 1

Your Order: 162470

Item Code: 14824

## PRODUCT DESCRIPTION:

ASTM A193/10a-ASME SA193/10 CL 1 GR B8  
GRAIN SIZE= 4-6

Round Bar, Annealed, Cold Draw

UNS 30400/30403 EN 10204 3.1, ASTM A484/10

ASTM A276/10, ASTM A479/10a, ASTM A182/10 CHEM ONLY,

ASME SA479/10a, ASME SA182/10 CHEM ONLY

AMS 5639H, AMS 5647J, AMS QQS-763B, QQS-763F

SOLUTION ANNEAL TEMP 1900F MIN

## REMARKS:

COMPLIES W/REQUIREMENTS OF DEARS EU DIRECTIVE 2002.95.

EC. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA

FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BE61784	2496								

## CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Heat	Supplier #	CM	C	CO	CR	CU	MN	MO	N	NI	P	S
C5R5		US	.019	.15	18.66	.43	1.40	.38	.080	8.57	.033	.0255
		SI										
			.23									

## MECHANICAL PROPERTIES

1 d	HB	No.	.2YS	UTS	RA	%	Elong	% 4D
BE61784	RL	208.0	75.11	99.73	70.74		41.31	

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

Technical Dept. Mgr.

ERIC HESS

**DART**  
aerospaceDart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053**PURCHASE ORDER**Purchase Order ID **PO18350**

Purchase Order Date 11/07/12

PO Print Date 11/07/12

Page Number 1 of 3

**Order From :**

VC-MET001

METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720  
P.O. BOX 4090 STN A  
TORONTO, ON M5W OE9  
CA**Contact Name****Vendor Phone** 514 694 9575**Vendor Fax** 514 695 3281**Vendor Account Nbr****Buyer**

Chantal Lavoie

**Requisition Nbr****Tax Resale Nbr** 10127-2607**Terms**

Net 30

**Currency**

CAD

**FOB**

Destination-Collect

**Ship To :**

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA**FAXED**  
613 632 1053

M123721

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M6061T6R0.750 013	6061-T6 Round Bar .750"	11/15/12 Yes	36.00 f	Yours ppd	\$2.1600	\$77.76
		<b>Special Inst:</b> MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/ 4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221					
2	M304R0.750 028	304 SS Roundbar .750	11/15/12 Yes	60.00 f	Yours ppd	\$4.4200	\$265.20
		<b>Special Inst:</b> MATERIAL: MATERIAL: 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE					
3	M303R0.500 028	303 Round Bar 0.500"	11/15/12 Yes	48.00 f	Yours ppd	\$2.0900	\$100.32

**MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY**No substitution or deviation without  
consent.Certificate of Conformity or Material  
Certification required - YES NO

Change Nbr: 1

Change Date: 11/07/12



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO18350

Purchase Order Date 11/07/12

PO Print Date 11/07/12

Page Number 2 of 3

Order From :

VC-MET001

METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720  
P.O. BOX 4090 STN A  
TORONTO, ON M5W OE9  
CA

Contact Name

Vendor Phone

514 694 9575

Vendor Fax

514 695 3281

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst:

MATERIAL: AISI 303 SS ROUND BAR AS  
PER ASTM A582  
NOTE: AISI 304/316 NOT ACCEPTABLE

4

M304B0.500X2.500

304 BAR .500 x 2.50

11/15/12

Yes

24.00 Yours ppd

\$15.5900

\$374.16

Special Inst:

AISI 304/316 SS BAR OR AISI 304/316 SS  
PLATE  
AS PER ASTM A276 OR ASTM A240

(NOTE: AISI 303 NOT ACCEPTABLE)

5

M304B0.625X3.000

304 BAR .625 X 3.00

11/15/12

Yes

12.00 Yours ppd

\$25.8500

\$310.20

Special Inst:

AISI 304/316 SS BAR OR AISI 304/316 SS  
PLATE  
AS PER ASTM A276 OR ASTM A240

(NOTE: AISI 303 NOT ACCEPTABLE)

6

D6101-005P

7075-T7351 8.25X5.0X2.5

11/19/12

Yes

20.00 Yours ppd

Each

\$57.9500

\$1,159.00

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

Change Nbr: 1

Change Date: 11/07/12

No substitution or deviation without  
consent.

Certificate of Conformity or Material  
Certification required - YES NO

**DART**  
aerospaceDart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053**PURCHASE ORDER**Purchase Order ID **PO18350**

Purchase Order Date 11/07/12

PO Print Date 11/07/12

Page Number 3 of 3

**Order From :**

VC-MET001

METAUX CASTLE

A.M. CASTLE &amp; CO. (CANADA) INC. - C/O 910720

P.O. BOX 4090 STN A

TORONTO, ON M5W OE9

CA

**Contact Name****Vendor Phone**

514 694 9575

**Vendor Fax**

514 695 3281

**Vendor Account Nbr****Buyer**

Chantal Lavoie

**Requisition Nbr****Tax Resale Nbr**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

Destination-Collect

**Special Inst:**

AS PER DWG D6101 REV. B

B92660

MATERIAL: 7075-T7351 AS PER QQ-A-

250/12

SIZE: 5.00" X 8.250" X 2.50" THICK

GRAIN DIRECTION ALONG 5.00"

LENGTH

TOLERANCE ON ALL DIMENSION ARE

+0.030"/-0.000"

**PO Total:****\$2,286.64**MATERIAL CERTIFICATION  
REQ'D UPON DELIVERYNo substitution or deviation without  
consent.

Certificate of Conformity or Material

Certification required - YES NO

Change Nbr: 1

Change Date: 11/07/12